

Ames Laboratory

Professional and Scientific Level Description

=====

JOB TITLE: Scientist I

GRADE: 38

JOB SUMMARY: The Scientist I provides scientific direction to a major research program by conceiving scientific objectives, acquiring funding, managing a program or multiple projects, and sharing knowledge requiring successful and substantial scientific experience as demonstrated by a proven record of original scholarly research activities which result in a significant well-recognized contribution to the discipline.

DUTIES AND RESPONSIBILITIES: Defends, develops and directs new areas of research. Conceives and defines overall goals of one or more research groups with input from Program/Center Director. Serves as Principal Investigator on research projects and directly supervises and evaluates work of other professional and program staff. May direct graduate student research. Initiates, organizes and executes research. Performs highly complex, non-standardized work that involves several complicated and significant variables. Presents and defends research results and lectures at national and international scientific meetings. Determines solutions of specific techniques of national interest. Provides consultation and advice to other researchers. Referees scientific papers. Develops and implements strategies for expansion of program and future direction. Identifies needs from funding agencies. Successfully writes research proposals to support research projects.

EDUCATION/EXPERIENCE: Ph.D. plus five years of related research experience.

KNOWLEDGE, ABILITIES AND SKILLS: Substantial professional knowledge in a single discipline or broad knowledge of multiple fields. Proven ability to write successful research proposals. Demonstrate extensive management ability and capability to contribute significantly to program success.

EXTRAORDINARY WORKING CONDITIONS: May work in a laboratory environment with chemicals and/or research equipment. May require work at irregular hours to complete experimental processes. Travel to professional conferences/meetings or professional development activities may occur on a regular basis.